

# POLECAM

World Leader in Specialist Jibs, Minicam's & Accessories

BAT001

## PAG L96e Battery

V-Mount, PAGlok and Gold-Mount

- ★ 96 watt-hours (14.8V 6.5Ah)
- ★ 8A continuous output
- ★ High-capacity and long-life cells
- ★ New run-time and capacity indicator
- ★ Auto-compatibility with multiple viewfinder data systems
- ★ V-Mount, PAGlok & Gold-Mount models
- ★ Combine capacities for longer run-time or greater current draw (10A) using a PAG Power Plate
- ★ Advanced electronic protection system
- ★ Circuits Parylene coated
- ★ No service charging required
- ★ Reset after cut-out using display button
- ★ Compatible with Li-Ion chargers of other reputable manufacturers
- ★ UN tested and IATA compliant for air transport
- ★ 2 year guarantee

### A Better Broadcast Battery

The PAG L96e is an enhanced version of the L95e battery, and a replacement for it. The L96e offers enhanced features and a superior performance.

The L96e provides a maximum continuous output of 8A, compared to the 7A offered by the previous model, and performs better at low temperatures.

The V-Mount and PAGlok models are compatible with multiple viewfinder data systems, such as those used by Sony and Red. They display capacity as a percentage and adjust automatically when presented to a different system.



### High-Quality Li-Ion Broadcast Battery

The PAG L96e is a high-quality Li-Ion camera battery, designed for Broadcast ENG and video production.

PAG L96e maintains the high quality and safety standards for which PAG is renowned. It embodies a premium quality cell pack, a superior design and construction and a comprehensive electronic protection system. Its circuits are coated with Parylene, making them resistant to electrolyte. PAG is the only manufacturer that goes to these lengths to ensure the safety of its Li-Ion batteries.

### Flight-Friendly

The L96e has been independently tested and certified to comply with United Nations Air Transportation regulations. Its capacity is below 100 watt-hours and it is therefore



Each LED represents 20% of capacity

suitable for air transport on passenger aircraft, in hand-luggage, without quantity restriction.

### Run-Time

The PAG L96e features a built-in run-time and capacity indicator. On-load, the 5 LED display shows remaining run-time in hours and minutes, to a resolution of 10 minutes. The display also shows battery state-of-charge as a percentage. Each LED represents approximately 20% of available capacity (see over).



## PAG BATTERIES ARE THE MOST TECHNOLOGICALLY ADVANCED IN THE INDUSTRY

PAG batteries are manufactured to withstand the strains and stresses of use in the harshest environments, and to perform consistently over their lifetime. They incorporate many unique proprietary features designed to assist the cameraman - such as an accurate capacity and run-time indication - as well as features designed to prolong battery life. PAG uses only the highest quality components in the construction of its batteries. Safety, reliability, and durability are the prime concerns, from conception to final assembly.

## THIS IS THE PAG TOTAL BATTERY DESIGN PHILOSOPHY

### Run-Time and Capacity Indicator

The L96e battery displays capacity as a percentage (each LED = 20%)  
1 LED flashing = less than 10% of capacity available.



Two button presses on-load activates the time display.  
The 'HRS' LED flashes twice.



The number of hours is indicated by the number of lit LEDs:  
1 LED = 1 hour.



The 'MINS' LED then flashes twice.



The number of minutes is indicated: 1 LED = 10 mins.

### PAG L96e Specification

#### Model No. 9310V

Sony V-Mount compatible battery connector.

#### Model No. 9310

PAGlok professional battery connector.

#### Model No. 9310A

Gold Mount (Anton Bauer) battery connector.

#### Construction:

The casing for these models consists of high-impact polycarbonate injection mouldings, designed to protect the cells from impact damage.

The cells have welded interconnections of low-resistance nickel strap. The batteries are sealed and non user-serviceable.

#### Cells:

Premium grade Lithium-Ion sealed rechargeable cylindrical cells.

#### Voltage:

14.8V nominal. The battery contains 12 cells connected in series/parallel. Each cell has a nominal voltage of 3.7V.

#### Capacity:

Nominal 6.5 ampere-hours, with a charge voltage of 4.2V per cell.

#### Output Current:

Rated maximum continuous output current is 8 amperes.

The capacities of two L96e batteries can be combined (190Wh) for longer run-times and a higher current draw (up to 10A), by using a PAG Power Plate dual battery mount.

#### Protection:

The battery incorporates the following safety shutdown systems:

- > 3 over-current shutdown systems.
- > 2 over-voltage shutdown systems.
- > 2 under-voltage shutdown systems.
- > 2 thermal shutdown systems, including a non-resetting thermal fuse.

All protection circuits within the battery are designed to withstand the leakage of electrolyte.

#### Operating Temperature Range:

Optimum discharge efficiency is achieved within the temperature range +10°C to +40°C.

#### Capacity Indication:

A single button-press displays charge status in terms of percentage. The LEDs light clockwise, from the top right round to the top left.

5 LEDs	=	80 - 100%	remaining
4 LEDs	=	60 - 79%	remaining
3 LEDs	=	40 - 59%	remaining
2 LEDs	=	20 - 39%	remaining
1 LED	=	10 - 19%	remaining
1 LED flashing	=	0 - 10%	remaining

The display is also capable of indicating an estimate of remaining run-time, on load (see Run-Time & Capacity Indicator above).

The V-Mount and PAGlok models are compatible with multiple viewfinder data systems, such as those used by Sony and Red. They display capacity as a percentage and adjust automatically when presented to a different system.

#### Charging:

The L96e can be charged using any PAG Li-Ion battery charger.

The V-Mount L96e can be charged using the equivalent Sony charger.

The Gold-Mount L96e can be charged using Anton Bauer Li-Ion chargers.

#### Overall Dimensions:

##### V-Mount Model:

Height	Width	Depth
130mm (5.1")	86mm (3.4")	47mm (1.85")

##### PAGlok Model:

Height	Width	Depth
130mm (5.1")	86mm (3.4")	42mm (1.65")*
*excluding locking claws		

##### Gold-Mount Model:

Height	Width	Depth
130mm (5.1")	86mm (3.4")	52mm (2.00")*
*excluding mushroom lugs		

#### Weight:

<b>V-Mount:</b>	0.75kg (1.65lbs)
<b>PAGlok:</b>	0.73kg (1.61lbs)
<b>Gold-Mount:</b>	0.76kg (1.67lbs)